

## CLAIMS

1. An inkjet printhead assembly which comprises  
a carrier;

an ink supply assembly that is mounted on the carrier and defines a plurality of  
printhead chip receiving formations that are each dimensioned to engage a printhead chip  
and a plurality of ink supply conduits that terminate at the formations to supply ink to  
printhead chips engaged with the formations;

a plurality of inkjet printhead chips that are engaged with respective said formations  
to receive the ink via passages defined by the printhead chips in fluid communication with  
respective ink supply conduits; and

a rotary platen assembly that is mounted on the carrier, the rotary platen assembly  
comprising

a shaft that is rotatably mounted on the carrier to be driven rotatably with  
respect to the carrier;

a platen body that is mounted on the shaft, the platen body defining a platen  
surface for supporting sheets of a print medium as the printhead chips carry out a  
printing operation on the sheets, the shaft being rotatable to bring the platen surface  
into and out of alignment with the printhead chips; and

a displacement mechanism that is arranged on the shaft and the carrier, the  
displacement mechanism being configured to permit the shaft and thus the platen  
surface to be laterally displaced into and out of an operative position with respect to  
the printhead chips.

2. An inkjet printhead assembly as claimed in claim 1, in which a capping assembly is  
positioned on the platen body, the shaft being rotatable to bring the capping assembly into  
and out of alignment with the printhead chips and the displacement mechanism being  
operable to displace the shaft laterally and reversibly so that the capping assembly can  
engage the printhead chips to cap the printhead chips.

3. An inkjet printhead assembly as claimed in claim 1, in which blotting material is  
positioned on a portion of the platen body, the shaft being rotatable to bring the blotting  
material into alignment with the printhead chips and the displacement mechanism being

operable to displace the shaft laterally and reversibly so that the blotting material can be positioned operatively with respect to the printhead chips to absorb ink ejected from the chips when the chips are primed.

5     4.     An inkjet printhead as claimed in claim 3, in which the platen body is hollow and is filled with the blotting material, the body defining an opening from which the blotting material can define a blotting surface on said portion of the platen body.

10     5.     An inkjet printhead assembly as claimed in claim 1, in which the ink supply assembly further defines a gas flow path that terminates at each printhead chip receiving formation, the ink supply assembly being connectable to a pressurized gas supply so that gas can be directed over each printhead chip to inhibit the build-up of dust and debris on the printhead chips, a valve closure being mounted on the ink supply assembly in the gas flow path to be displaceable with respect to the ink supply assembly between an open  
15     position in which gas is permitted to flow through the gas flow path and a closed position in which the gas is shut off, the valve closure being connected to the shaft such that, when the platen surface is displaced into its operative position, the valve closure is displaced into its open position and when the capping assembly is displaced into engagement with the printhead chips, the valve closure is displaced into its closed position.

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